

Converting Colors

CIELCh(70, 66.209, 135.211)

Have a look what the booklet for
CIELCh(70, 66.209, 135.211)
contains.

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Color

CIELCh(70, 66.237, 135.193)

Conversions

Conversions Part 1

Format	Color
Hex	68BF51
RGB	104, 191, 81
RGB Percent	41%, 75%, 32%
CMY	0.5925, 0.2513, 0.6827
CMYK	0.46, 0.00, 0.58, 0.25
HSL	107°, 46%, 53%
HSV	107°, 58%, 75%
XYZ	25.7892, 40.7494, 14.2730
YIQ	152.4470, -16.5420, -52.6540

Conversions

Conversions Part 2

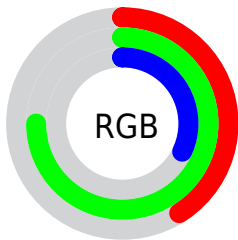
Format	Color
RYB	81, 191, 168
Decimal	6864721
CIELab	70.00, -46.99, 46.68
CIELCh	70, 66.237, 135.193
Yxy	40.7494, 0.3191, 0.5043
Android (android.graphics.Color)	4285054801 (0xFF68BF51)
YUV	152.4470, -35.2234, -42.4880
Hunter-Lab	63.8353, -39.5983, 31.4279

Details

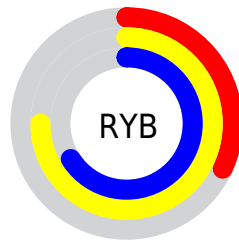
The CIELCh color **70, 66.237, 135.193** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **49, 67.669, 320.858**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 66.490, 135.194**, and **50, 66.447, 135.231** is the 20% darker color. If you saturate the color by 10%, you get **69, 75.824, 134.625**, and if you desaturate by 10%, it is **71, 55.606, 135.846**.

Distribution



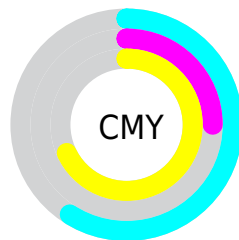
- Red (41%)
- Green (75%)
- Blue (32%)



- Red (32%)
- Yellow (75%)
- Blue (66%)



- Cyan (46%)
- Magenta (0%)
- Yellow (58%)
- Black (25%)





- Cyan (59%)
- Magenta (25%)
- Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 66.237, 135.193 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 70, 66.237, 135.193 by changing the saturation by 10% instead.


 70, 66.237,
135.193


 70, 66.237,
135.193


 100, 66.237,
135.193


 60, 66.237,
135.193


 90, 66.237,
135.193

 50, 66.237,
135.193

 40, 66.237,
135.193

 30, 66.237,
135.193

 20, 66.237,
135.193

 10, 66.237,
135.193

 0, 66.237, 135.193

70, 66.237,
135.193

70, 66.237,
135.193

69, 75.824,
134.625

71, 55.606,
135.846

69, 83.891,
134.249

72, 44.310,
136.506

68, 89.941,
134.193

73, 32.637,
137.132

68, 93.749,
134.505

75, 20.799,
137.704

68, 94.486,
134.565

76, 8.951, 138.222

78, 2.794, 318.570

79, 14.358,
319.009

81, 25.688,
319.344

■ 83, 36.749,
319.627

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



70, 66.237, 135.193



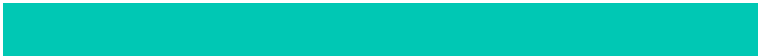
49, 67.669, 320.858

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70, 66.237, 135.193



70, 66.237, 185.193



70, 66.237, 315.193



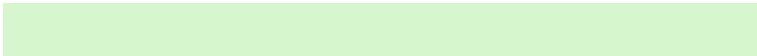
70, 66.237, 5.193

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



70, 66.238, 135.194



94, 24.768, 137.723



69, 47.036, 92.391



50, 16.710, 137.612



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70, 66.238, 135.194



87, 94.740, 134.508



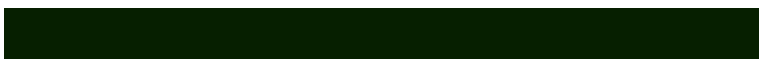
70, 57.564, 147.942



39, 6.605, 138.135



57, 82.028, 134.425



9, 20.605, 140.274

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



49, 67.669, 320.858



58, 96.613, 321.069



51, 57.518, 338.097



37, 6.643, 318.929



31, 82.469, 320.475



3, 19.511, 316.351

Previews

White Background



This preview shows how the CIELCh color 70, 66.237, 135.193 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 70, 66.237, 135.193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 66.237, 135.193

Background



This preview shows how black text looks on a background with the CIELCh color 70, 66.237, 135.193.



This preview shows how white text looks on a background with the CIELCh color 70, 66.237, 135.193.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color
70, 66.237, 135.193

Protanopia
70, 50.577, 95.414

Deuteranopia
70, 45.061, 78.370



Tritanopia
70, 19.206, 223.688

Trichromacy



Original Color
70, 66.237, 135.193



Protanomaly
69, 53.078, 114.261



Deuteranomaly
69, 45.902, 106.562



Tritanomaly
69, 29.061, 162.658

Monochromacy



Original Color
70, 66.237, 135.193



Achromatopsia
63, 0.008, 296.813



Achromatomaly
65, 25.288, 136.891

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 66.237, 135.193 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(104, 191, 81)` looks like.

```
.text, #text, p{  
    color:rgb(104, 191, 81)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(104, 191, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 191, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 66.237, 135.193 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(104, 191, 81) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(104, 191, 81) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(104, 191, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 191, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 191, 81);  
box-shadow:4px 4px 4px 4px rgb(104, 191,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 66.237, 135.193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 191, 81) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(104,  
191, 81) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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